

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20020127752"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 09:11
S2	2	"6797533"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 09:14
S3	24	("4805179" "4871690" "5011794" "5298454" "5353295" "5395793" "5411914" "5425043" "5455429" "5539763" "5548610" "5574745" "5603765" "5608753" "5707890" "5708674" "5766981" "5771256" "5843802" "5882951" "5915165" "5939733" "5985743" "6027989").PN. OR ("6797533").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/23 09:15
S4	2	("2002/0127752").URPN.	USPAT	ADJ	ON	2009/03/23 09:50
S5	1	"02059952"	USPAT	ADJ	ON	2009/03/23 09:52
S6	4	"02059952"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 09:53
S7	75	(257/e21.086).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/23 09:56
S8	38	intermix\$4 and (quantum well or QW or quantum well intermix \$3 or QWI) and defect and (defect near5 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:06
S9	6	(US-20020127752-\$).did. or (US- 6797533-\$ or US-5915165-\$ or US-6989286-\$ or US-5843802-\$ or US-6617188-\$).did.	US-PGPUB; USPAT	ADJ	ON	2009/03/23 11:21
S10	1896987	density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:21
S11	2	S9 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:21

S12	12837	defect near density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:23
S13	405	(defect near density) with (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:26
S14	407	(defect near density) with (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:26
S15	54	S14 and (intermix\$3 or interdiffus\$4 or disorder\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:26
S16	416	(defect near density or dislocation near density) with (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:28
S17	39	S16 and (IILD or qwi or quantum well)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:29
S18	1	defect (layer or film) with ((defect near density or dislocation near density) with (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:39
S19	2	defect (layer or film) with (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 11:49
S20	281	(Intermix\$3 or interdiffus\$4 or disorder\$3 or QWI or bandgap near3 shift\$3 or blue shift\$3 or blue-shift\$3) and defect (layer or film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 14:31

S21	27448188	@ad<"20031030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 14:31
S22	176	S20 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 14:32
S23	4344	QWI or quantum well near3 (intermix\$4 or interdiffus\$4 or disorder\$3) or (bandgap near3 shift\$3) or blue-shift\$3 or blue shift\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:22
S24	7516	ratio with ("1:1" and ("1:0.1" or "1:0.2" or "1:0.3" or "1:0.4" or "1:0.5" or "1:0.6" or "1:0.7" or "1:0.8" or "1:0.9" "1:0.05"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:24
S25	0	S23 an dl7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:24
S26	15	S23 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:24
S27	23	S24 and (quantum well or active region)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:25
S28	869	(438/47).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/23 15:29
S29	562	S28 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:30
S30	1	(defect or dislocation) (layer or film) same ratio with ("1:1" and ("1:0.1" or "1:0.2" or "1:0.3" or "1:0.4" or "1:0.5" or "1:0.6" or "1:0.7" or "1:0.8" or "1:0.9" "1:0.05"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:32
S31	228	S23 and (defect or dislocation) near2 (point or layer or film or material)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:38
S32	76	S31 and strain	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:38
S33	26	S31 and strain adj2 (layer or film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/23 15:53

S34	4349	QWI or quantum well near3 (intermix\$4 or interdiffus\$4 or disorder\$3) or (bandgap near3 shift\$3) or blue-shift\$3 or blue shift\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 07:36
S35	228	S34 and (defect or dislocation) near2 (point or layer or film or material)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 07:36
S36	31	S35 and strain adj2 (layer or film or region)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 07:36
S37	716498	S34 and point defect or defect or dislocation or (defect or dislocation) (layer or film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:16
S38	1038	S34 and (point defect or defect or dislocation or (defect or dislocation) (layer or film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:17
S39	27448590	@ad< "20031030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:19
S40	4349	QWI or quantum well near3 (intermix\$4 or interdiffus\$4 or disorder\$3) or (bandgap near3 shift\$3) or blue-shift\$3 or blue shift\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:20
S41	1038	S40 and (point defect or defect or dislocation or (defect or dislocation) (layer or film))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:20
S42	613	S39 and S41	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:20
S43	2704	strain (layer or film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:21
S44	12	S42 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 08:21
S45	42	(form\$3 or deposit\$3 or grow \$3) near5 (epitaxial\$3 or QW or quantum well) near5 ("On" or above or top or over or upper or atop or upon or cover\$3) near3 (defect or dislocation) (layer or film) or (defect or dislocation) (layer or film) near5 (between or therebetween or sandwich\$3) near5 (quantum well or Qw or active region)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:11

S46	42	((form\$3 or deposit\$3 or grow\$3) near5 (epitaxial\$3 or QW or quantum well) near5 ("On" or above or top or over or upper or atop or upon or cover\$3) near3 (defect or dislocation) (layer or film)) or ((defect or dislocation) (layer or film) near5 (between or therebetween or sandwich\$3) near5 (quantum well or Qw or active region))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:11
S47	92	non absorb\$3 mirror	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:18
S48	44446	non absorb\$3 mirror or NAM	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:18
S49	92	non absorb\$3 mirror	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:18
S50	1168	(non absorb\$3 mirror or NAM) and (intermix\$3 or interdiffus\$3 or disorder\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:25
S51	28	(non absorb\$3 mirror or NAM) and (quantum well near3 (intermix\$3 or interdiffus\$3 or disorder\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 09:25
S52	8	("20020072142" "20020127752" "5534444" "5708674").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/24 10:00
S53	23	("4805179" "4871690" "5298454" "5353295" "5384797" "5395793" "5425043" "5455429" "5539763" "5574745" "5608753" "5699375" "5707890" "5708674" "5766981" "5771256" "5784507" "5843802" "5882951" "5915165" "5963568" "6027989" "6075804").PN. OR ("6731850").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/24 10:05
S54	1933	(vary\$3 or chang\$3 or alter\$3 or different) near5 (Group III-V or ratio or material or element) near5 (defect or dislocation)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/24 10:32
S55	4	(vary\$3 or chang\$3 or alter\$3 or different) near5 (Group III-V or ratio or material or element) near5 (defect or dislocation) (layer or film)	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/24 10:32

S56	6	(vary\$3 or chang\$3 or alter\$3 or different) near5 (Group III-V or ratio or material or element) near5 (defect or dislocation) (layer or film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 10:33
S57	11311	defect density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 10:46
S58	67	defect density near5 (greater or more or exceed\$3 or larger) same (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 10:52
S59	6	defect density near5 (greater or more or higher or exceed\$3) near5 (quantum well or QW or active region or active layer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 11:00
S60	25	(QWI or band-gap shift\$3 or IILD or ILD or impurity induced disorder\$3 or band gap shift\$3) and (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 11:05
S61	285	(etch\$3 or pattern\$3 or photolithography or photolithographically) near5 (defect or dislocation) (layer or film)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/24 11:29
S62	24	("4805179" "4871690" "5011794" "5298454" "5353295" "5395793" "5411914" "5425043" "5455429" "5539763" "5548610" "5574745" "5603765" "5608753" "5707890" "5708674" "5766981" "5771256" "5843802" "5882951" "5915165" "5939733" "5985743" "6027989").PN. OR ("6797533").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/24 11:37

S63	43	("20020006489" "20020024279" "20020067489" "20020084410" "20020084410" "20040026629" "20040036403" "20040036403" "20040043527" "20040241896" "20060076489" "20070224804" "20070256929" "4055780" "4482839" "6074896" "6346189" "6401526" "6838297" "6858521" "6960528" "7094679" "7276389").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/03/24 13:31
S64	829	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4)) and (pattern\$3 or photolithography or etch\$3 or photolithographically)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 08:31
S65	27448590	@ad< "20031030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 08:32
S66	575	S64 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 08:32
S67	52	IFVD or impurity free vacancy disoder\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 08:49
S68	81	IFVD or impurity free vacancy disorder\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 08:49
S69	18	"10280892"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 09:24
S70	2	"7333733"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 09:26
S71	7	"6954473"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 09:27

S72	193	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3)) and thermal expansion coefficient	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 09:59
S73	13	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3)) and thermal expansion coefficient and lattice near5 match\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 10:10
S74	44	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3)) and (thermal expansion coefficient or coefficient adj2 thermal expansion or CTE) and lattice near5 match\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 10:50
S75	70553	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:03
S76	7388	S75 and S65	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:03
S77	9350	("1:1" and ("1:0.1" or "1:0.2" or "1:0.3" or "1:0.4" or "1:0.5" or "1:0.6" or "1:0.7" or "1:0.8" or "1:0.9" "1:0.05"))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:05

S78	11	S76 and S77	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:05
S79	26634	("1:1" and ("1:0.1" or "1:0.2" or "1:0.3" or "1:0.4" or "1:0.5" or "1:0.6" or "1:0.7" or "1:0.8" or "1:0.9" "1:0.05" or 1:?.? or 1:?.?))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:07
S80	44	S76 and S79	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:07
S81	4228	(gallium arsenide or GaAs or InP or indium phosphide or AlGaAs or aluminum gallium arsenide or GaInP or gallium indium phosphide) with ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:11
S82	61	S76 and S81	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:11
S83	13	((STEPHEN) near2 (NAJDA)). INV.	US-PGPUB; USPAT; USOCR	ADJ	ON	2009/03/25 11:18
S84	513	V-III or II-V with ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:51
S85	16147	(V-III or III-V or (V and III)) with ratio	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:51
S86	42	S85 and S76	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/25 11:52
S87	27	(US-20020127752-\$ or US-20020097765-\$ or US-20030021313-\$ or US-20040099856-\$ or US-20040081467-\$ or US-20020004253-\$ or US-20020072142-\$).did. or (US-6797533-\$ or US-5915165-\$ or US-6989286-\$ or US-5843802-\$ or US-6617188-\$ or US-6731850-\$ or US-6628686-\$ or US-5192709-\$ or US-6898224-\$ or US-5153890-\$ or US-5766981-\$ or US-6984538-\$ or US-6632684-\$ or US-6671300-\$ or US-6590918-\$ or US-5358897-\$ or US-5282218-\$). did. or (WO-3100823-\$ or GB-2409572-\$ or WO-3038487-\$). did.	US-PGPUB; USPAT; EPO	ADJ	ON	2009/03/27 09:26

S88	2	S87 and (prevent\$3 or protect\$3 or inhibit\$3) near4 oxidation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 09:26
S89	5	S87 and oxidation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 09:28
S90	99	(defect or dislocation) near3 density near5 (greater or more or exceed\$3 or larger) same (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:33
S91	70574	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder\$3 or impurity free with (disorder\$3 or intermix\$3 or interdiffus\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:34
S92	0	S90 and S91	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:34
S93	413	(greater or more or exceed\$3 or larger) same (defect per "cm. sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:35
S94	20	S91 and S93	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:35
S95	6	(defect\$3 or clad\$4) (layer or film) with (defect per "cm. sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:38

S96	860	((defect\$3 or clad\$4) (layer or film) or density or defect or crystal defect or lattice or dislocation) with (defect per "cm.sup.2" or defect/ "cm.sup.2" or defect per square (centimeter or cm) or defect per "cm.sup.3" or defect/ "cm.sup.3" or defect per cubic (centimeter or cm))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:45
S97	26	S91 and S96	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/27 15:45
S98	105	((defect or dislocation) near3 density) near3 (higher or greater or more) near3 (times or order)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 07:46
S99	185	((defect or dislocation) near3 density) near5 (higher or greater or more) near5 (times or order)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 10:19
S100	70574	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 10:42
S101	298	S100 and ((defect or dislocation or lattice or crystal) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 10:42
S102	27448628	@ad< "20031030"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 10:42
S103	146	S101 and S102	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 10:42
S104	2	"20050012166"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/30 10:58
S105	14	(LED or light emit\$3 (diode or device) or laser) and ((QW or quantum well or active (layer or region)) near5 (lower or smaller) near5 (defect or dislocation or crystal or lattice) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/31 15:22

S106	118	(LED or light emit\$3 (diode or device) or laser) and ((QW or quantum well or active (layer or region)) near5 (lower or smaller or low or small) near5 (defect or dislocation or crystal or lattice) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/31 15:23
S107	10001	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3)) and density	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/31 15:49
S108	450	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3)) and ((crystal or lattice or defect or dislocation) with density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/31 15:49
S109	298	(QWI or quantum well intermixing or bandgap shift\$3 or band-gap shift\$3 or band gap shift\$3 or quantum well with (disorder\$3 or intermix\$3 or interdiffus\$4) or ILD or impurity induced disorder\$3 or IFVD or impurity free vacancy disorder \$3 or impurity free with (disorder \$3 or intermix\$3 or interdiffus \$3)) and ((crystal or lattice or defect or dislocation) near3 density)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	ADJ	ON	2009/03/31 15:50

4/ 1/ 2009 10:40:53 AM

C:\ Documents and Settings\ bfox2\ My Documents\ EAST\ Workspaces\ 10533330.wsp